



# SPECIALTY PRODUCTS & INSULATION

## 8847 Mineral Wool Hull Board

VBD Reinforced Foil Facing

### Description

8847 Mineral Wool Hull Board is composed of semi-rigid mineral wool insulation board made from basalt rock and slag with a durable foil, fiberglass scrim, polyester, facing system. The non-combustible, mineral wool board offers fire, thermal and acoustical performance for a variety of marine applications.

The product provides A-60 ratings for bulkhead, deck and associated stiffeners. Also, with a 1200 °F maximum continuous use temperature (melt point ~ 2150 °F) the product can be applied to boilers, ovens, exhaust stacks, duct and tanks on workboats, ferries, cruise ships military vessels and offshore platforms.

### Specifications

- \* Approved as meeting Parts 2 and 5 of Annex 1 of the IMO FTP code by the U.S. Coast Guard per 164.112/144/0
- \* US Coast Guard: 164.109/164.107/164.112
- \* 3" thick for A-60 Class Steel Bulkhead, 1 1/2" on Stiffeners
- \* 2" thick for A-60 Class Steel Deck, 1 1/2" on Stiffeners

### Advantages

**Fire Performance** – non combustibile core with A-60 qualified fire performance.

**Thermal Insulation** - Effective insulation system (R Value 4.2 per inch) minimizes heat transfer / energy loss providing a more comfortable, energy efficient environment.

**Quality Control** - Panels are produced in compliance with an established quality control program, under follow-up service with Intertek Testing Services NA Ltd., a qualified independent third party inspection agency. This ensures consistent, high quality finished materials.

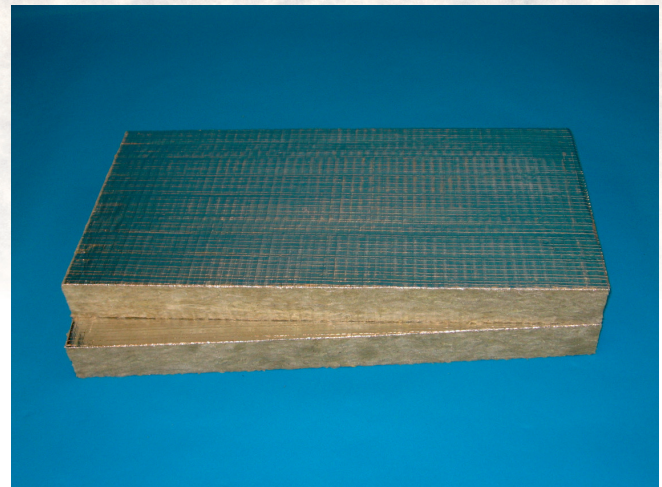
**Fluid Resistance** – Facing system is resistant to oil and water.

**Puncture resistance** - Facing system offers improved puncture resistance.

**Acoustics** – Aids with environment sound control.

### Installation

8847 Mineral Wool (VBD Reinforced Foil) Hull Board is easy to cut and fit and installs with appropriate insulation pins, clips and tape.



### Availability

#### Standard Sizes:

- 1" x 24" x 48" at 96 sf/ctn
- 2" x 24" x 48" at 48 sf/ctn
- 1.5" x 24" x 48" at 64 sf/ctn
- 3" x 24" x 48" at 32 sf/ctn

8847 Mineral Wool Hull Board is available through SPI service centers nationally. Call or visit our website to locate one near you.

### Performance Compliance Data

**Facing:** Aluminum foil / fiberglass scrim / metalized polyester  
Weight 0.019 lbs. / sq. ft.

#### Base Board:

**Operating Temperature Limit** (ASTM C411): 1200°F (649°C)

**Nominal Density** - 6 lb/ft<sup>3</sup>.

Other densities available (4 -10 lb)

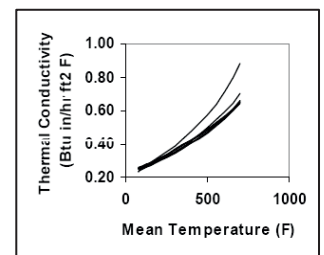
**Thermal Conductivity** per test method ASTM C 177 & C 518 with C 1045 calculations

**Fungi Resistance** – (ASTM C665): Does not promote growth

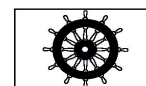
**Base Board SCS Certified** - Minimum 25% Recycled Content

#### Sound Absorption Coefficients

| Thickness | ASTM C423                    |             |             |             |             |             |             | NRC |
|-----------|------------------------------|-------------|-------------|-------------|-------------|-------------|-------------|-----|
|           | CO-EFFICIENTS AT FREQUENCIES |             |             |             |             |             |             |     |
| 1.0"      | 0.08 / 0.11                  | 0.33 / 0.31 | 0.78 / 0.82 | 1.03 / 1.01 | 1.02 / 1.02 | 1.04 / 1.01 | 0.80 / 0.80 |     |
| 1.5"      | 0.17 / 0.21                  | 0.62 / 0.64 | 1.00 / 0.92 | 1.05 / 1.00 | 1.01 / 0.95 | 1.01 / 1.01 | 0.90 / 0.90 |     |
| 2.0"      | 0.32 / 0.43                  | 0.81 / 0.78 | 1.05 / 0.90 | 1.02 / 0.97 | 0.99 / 0.97 | 1.04 / 1.00 | 0.95 / 0.90 |     |
| 3.0"      | 0.78 / 0.75                  | 0.89 / 0.82 | 1.04 / 0.89 | 0.98 / 0.94 | 1.01 / 1.00 | 1.02 / 1.00 | 1.00 / 0.90 |     |



Note: properties as reported by base board manufacturer



1408/12

# 8847 Mineral Wool Hull Board (VBD Reinforced Foil) Quote / Order Form

|                         |         |               |
|-------------------------|---------|---------------|
|                         |         | DATE          |
| COMPANY                 | CONTACT | PHONE         |
| PROJECT NAME & LOCATION |         | DATE REQUIRED |
| SHIP TO LOCATION        |         | P.O. NUMBER   |

| 8847 Mineral Wool Hull Board<br>(VBD reinforced Foil) | Board Size (inches & Sq. Ft.) |       |        |      |
|---|-------------------------------|-------|--------|------|
|   | Thickness                     | Width | Length | SF   |
|   |                               |       |        |      |
|   |                               |       |        |      |
|   |                               |       |        |      |
|   |                               |       |        |      |
| <b>Accessories</b>                                    | Length                        | Size  | Diam.  | Qty. |
| Insulation Stick Pin                                  |                               |       |        |      |
| Silver Navy Washers                                   |                               |       |        |      |
| Std. Lock Washers                                     |                               |       |        |      |
| Joint Tape  |                               |       | Roll   |      |

Note: Final quantities rounded to full carton or packaged quantities.



**SPI Specialty Products & Insulation**

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